| Inde | x of | Claims | • |
|------|------|--------|---|
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|     |        |      |      |     |     |

Applicant(s)/Patent under Reexamination

10/532,186

Examiner

ULSH ET AL.

Joseph A. Dillon, Jr.

3651

| - | <b>√</b> | Rejected |
|---|----------|----------|
|   | =        | Allowed  |

| - | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
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| 0 | Objected |

|  |                  | L        |  |          |  |              |              | ι  |  |          |
|--|------------------|----------|--|----------|--|--------------|--------------|--|--|----------|
| <u></u>  |                  |          |  |          |  | 2-1-         |              |  |  |          |
| Cla  | ım               | Date     |  |          |  |              |              |  |  |          |
| l _ !  | 70               | -        | 5/20/10  |          |  |              |              |  |  |          |
| Final  | Original         | 3/19/07  | 35   |          |  |              |              |  |  |          |
| T I  | ā                | E        | 2  |          |  | l            | H            |  |  | 1        |
|  | L                | 4        | 6  |          | _                                      | بـــا        |              |  | _  | Ш        |
|  | (1)<br>2<br>3    | H        | 3  |          |  |              |              |  |  |          |
|  | 2                | Ш        | 1  |          |  |              |              |  |  |          |
|  | 3                | Ш        |  |          |  |              |              |  |  |          |
|  | 4                | IL       |  |          |  |              |              |  |  |          |
|  | 5                |          |  |          |  |              |              |  |  |          |
|  | 6                |          |  |          |  |              |              |  |  |          |
|  | 4<br>5<br>6<br>7 |          |  |          |  |              |              |  |  |          |
|  | 8                | П        | П  |          |  |              |              |  |  |          |
|  | 9                | П        | IT   |          |  |              |              |  |  | П        |
|  | 10               | П        | T  | Г        | Ι_                                     | $\Box$       |              |  |  |          |
|  | 11               | $\Pi$    | 1  |          |  | $\Box$       |              |  |  | $\Box$   |
| <b>——</b>  | 12               | 1        | =  | Г        |  |              |              |  | _  | П        |
|  | 11<br>12<br>(3)  | 11       | T  | $\vdash$ | Г                                      | Г            |              | Π  | _  | П        |
|  | 14               | ††       | <del>                                     </del> | $\vdash$ | $\vdash$                               |              | М            | Н  | _  | М        |
| -  | 15               | H        | t  | -        | 1                                      | -            | Н            |  |  | $\vdash$ |
| $\vdash$   | 16               | 上        | 1  | Н        | $\vdash$                               | $\vdash$     | H            | <del>                                     </del> | $\vdash$                                     | $\vdash$ |
| $\vdash$   | 16<br>17         | +        | <del>                                     </del> | $\vdash$ | $\vdash$                               |              | $\vdash$     | $\vdash$   | $\vdash$                                     | Н        |
| <b>-</b>   | 18               | 1-       | $\vdash$   | $\vdash$ | 1-                                     | <del> </del> | <del> </del> | <u> </u>   | $\vdash$                                     | Н        |
| -  | 19               | ╁        | ┢  | -        | ╁╾                                     | $\vdash$     | $\vdash$     | ┢  | ┢┈   | Н        |
| <del>                                     </del> | 20               | ╀        | ⊢  | ├        | ╫                                      | ┼            |              |  | ├  | $\vdash$ |
| -  | 21               | +        | -  | ⊢        | ╁┈                                     | ⊢            | -            |  |  | $\vdash$ |
| -  | 21               | ╀        | <u> </u>   | ⊢        |  | ⊢            | <u> </u>     | -  | ļ  | $\vdash$ |
| -  | 22               | -        | ├-   | ├        | ╄                                      | -            | -            | <u> </u>   | ├  | Н        |
|  | 23               | ┼        | ╀  | ⊢        | -                                      | <del> </del> | ├            | <u> </u>   | ļ  |          |
| <u> </u>   | 24<br>25         | ↓_       | ↓  | ١        | ـ                                      | <del> </del> | <b> </b> _   | _  | ļ  | ╌┦       |
|  | 25               | ↓_       | ┞  | ┡        | ╄                                      | ┞            | <b> -</b>    | -  | -  | ┈        |
| <u></u>  | 26               | <b> </b> | ļ_   | <u> </u> | ļ                                      | ↓            | -            | _  | <u> </u>                                     | Ш        |
|  | 27               | ļ.,      | <u> </u>   | <u> </u> | <b> </b> _                             | <u> </u>     | _            | _  | <u>                                     </u> | Ш        |
| _  | 28               | 1_       | ↓_   | ļ        | ļ                                      | <u> </u>     | -            | <u> </u>   | <u> </u>                                     | Ш        |
|  | 29               | 1_       | <u> </u>   | _        | _                                      | <u> </u>     | <u> </u>     | L  | ᆫ  | Ш        |
| <u></u>  | 30               | ↓_       | ╙  | <u> </u> | ↓_                                     | ــــ         | <b>!</b>     | <u> </u>   | <u> </u>                                     | Ш        |
| <u></u>  | 31               | ــــ     | ┞-   | <b>L</b> | <del> </del> _                         | <u> </u>     | <u> </u>     | <b> </b> _                                       | $\vdash$                                     | Ш        |
| <u></u>  | 32               | 1_       | ┞  | <u> </u> | ــــــــــــــــــــــــــــــــــــــ | <b>L</b>     | <u> </u>     |  | _  | Ш        |
| <u></u>  | 33               | _        | 1  | 1_       | <del> </del>                           | 1_           | <b>!</b>     | ļ  | <u> </u>                                     | Ш        |
| -  | 34               | 1        | <del> </del>                                     | <b>!</b> | ↓_                                     | <u> </u>     | <u> </u>     | <u> </u>   | <u> </u>                                     | $\sqcup$ |
| <u></u>  | 35               | 1_       | _  | <b>!</b> | ↓_                                     | ┖            | <u> </u>     | _  | <u> </u>                                     | Ш        |
| <u></u>  | 36               | Ŀ        | 1  | <u>_</u> | ↓_                                     | ┞-           | L.           |  | <u> </u>                                     | Ш        |
|  | 37               | 1        | 1_   | _        | ╀                                      | ┞            | _            | L_   | <u></u>                                      | Ш        |
| 1  | 38               | _        | _  | _        |  | <u> </u>     | <u> </u>     | <u> </u>   | _  | Ш        |
|  | 39               | 1_       | 1  | <u>L</u> | 1_                                     |              | 乚            | <u>L</u>   |  | Ш        |
| <u></u>  | 40               | 1_       | _  | _        | _                                      | <u> </u>     |              | _  | _  | Ш        |
|  | 41               |          | L  |          |  |              |              | _  | L  |          |
|  | 42               |          |  |          |  |              |              |  |  |          |
|  | 43               |          |  |          |  | $\Box$       |              | $\Box$   |  |          |
|  | 44               |          |  |          |  |              |              |  | Ŀ  |          |
|  | 45               |          | Γ  |          |  |              |              |  |  |          |
|  | 46               | Τ        | Г  |          | T                                      |              |              |  |  |          |
|  | 47               | T        | 1  | Т        | Т                                      | Т            | П            | 1  | П  | М        |
|  | 48               | T        | 1  | Т        | 1                                      | 1            | 1            | 1  | Т  | М        |
|  | 49               | 1        | 1  | 1        | 1                                      | T            | $\vdash$     | 1  | Т  | П        |
|  | 50               | 1        | T  | T        | 1                                      | 1            |              | 1  | Т  | $\sqcap$ |
|  |                  | _        |  |          |  |              | -            | ٠  |  | ليث      |

| Claim        |          | Date   |          |  |               |  |          |              |                |          |
|--------------|----------|--|----------|--|---------------|--|----------|--------------|----------------|----------|
| Final        | Original |  |          |  |               |  |          | •            |                |          |
|              | 51       |  |          | _  |               |  |          | _            |                | ヿ        |
|              | 52       |  |          |  |               |  |          |              |                | ┪        |
|              | 53       |  | _        |  |               |  | _        |              |                | _        |
|              | 54       |  |          |  |               |  |          |              |                | _        |
|              | 55       |  |          |  |               |  | _        |              |                | ╗        |
|              | 56       |  |          |  |               |  |          |              |                |          |
|              | 57       |  |          |  |               |  |          |              |                |          |
|              | 58       |  |          |  |               |  |          |              |                |          |
|              | 59       |  |          |  |               |  |          |              |                |          |
|              | 60       |  |          |  |               |  |          |              |                |          |
|              | 61       |  |          |  |               |  |          |              |                |          |
|              | 62       |  |          |  |               |  |          |              |                | Ш        |
|              | 63       |  |          |  |               |  |          | L            |                | Ш        |
|              | 64       |  |          |  | <u> </u>      |  |          |              |                | Щ        |
|              | 65       |  |          | _  | _             | _  | <u> </u> | _            |                |          |
|              | 66       |  |          | ļ  |               | _  | _        | L            |                |          |
|              | 67       |  | ļ        | <u> </u>   | ļ             | ļ  | L        | <u> </u>     | <u> </u>       |          |
|              | 68       |  | L        | <u> </u>   |               | _  | L_       | _            | <u> </u>       |          |
| <u> </u>     | 69       | L  | <u></u>  | L_   | ļ             | <u> </u>   | <u> </u> | _            | <u> </u>       | Щ        |
|              | 70       |  |          | <u> </u>   |               | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>       | Ш        |
| <u> </u>     | 71       |  | L.       | <u> </u>   | ļ             | L  | ļ        | ļ            | ╙              | Ш        |
|              | 72       | ļ  |          | 1_   | L             | ╙  |          | _            | <u> </u>       | _        |
|              | 73       | <u> </u>   |          | <u> </u>   | Ŀ             | <u> </u>   | <u> </u> | ↓_           | <u> </u>       | Н        |
| ļ            | 74       | ╙  | _        | <del> </del>                                     | Ļ             | ļ  | <u> </u> | <b> </b>     | ⊢              | Ш        |
| <u> </u>     | 75       | ├  | <u> </u> | ⊢  | <del> </del>  | ┞  | ⊢        | _            | ⊢              | Н        |
|              | 76<br>77 | ⊢  | ┡        | ⊢  | $\vdash$      | ⊢  | -        | <del> </del> | ⊢              | $\vdash$ |
| -            | 70       | ⊢  | <u> </u> | ⊢  | $\vdash$      | ┝  | ⊢        | ├            | ├              | Н        |
|              | 78<br>79 | ┥  | $\vdash$ | ⊢  | ├             | ╁  | ⊢        | ┢            | ⊢              | Н        |
|              | 80       | ⊢  | $\vdash$ | $\vdash$   | -             | ├  | ⊢        | ⊢            | $\vdash$       | Н        |
| ├            | 81       | ├-   | -        | -  | $\vdash$      | ├  | ⊢        | ⊢            | ⊢              | -        |
|              | 82       | $\vdash$   | -        | ╫  | -             | -  | ╌        | ⊢            | 1-             |          |
| $\vdash$     | 83       | ├  | -        | ┢  | ┢             | -  | ┢        | $\vdash$     | $\vdash$       | $\vdash$ |
| <del> </del> | 84       | <del>                                     </del> | _        | <del> </del>                                     | -             | <del>                                     </del> | 1        | $\vdash$     | $\vdash$       | $\vdash$ |
|              | 84<br>85 | <del>                                     </del> | 1        | <del>                                     </del> | $\vdash$      | $\vdash$   | $\vdash$ | 1            | $\vdash$       | ऻऻऻ      |
| _            | 86       | 1  | 1        | 1  | Г             | $\vdash$   | 1        | T            | T              | М        |
|              | 87       | 1  | Γ        | 1  | Г             |  | 1        | 1            | $\vdash$       |          |
|              | 88       |  |          | Π  |               |  |          |              |                |          |
|              | 89       |  |          |  |               |  |          |              |                |          |
|              | 90       | $L^-$  |          |  |               | oxdot  |          |              |                |          |
|              | 91       |  |          |  |               |  |          |              | <u> </u>       |          |
|              | 92<br>93 |  |          |  |               |  |          |              |                |          |
|              | 93       |  |          | 匚  | 匚             | L  | $\Box$   |              |                |          |
|              | 94       | 匚  |          | L  |               | L  |          |              |                |          |
| <u> </u>     | 95       | $\vdash$   | L        | <b> </b>   | L             | _  | 1        | 1            |                | Ш        |
|              | 96       | Ŀ  | L        | <b> </b>   | _             |  | <u> </u> | <u>L</u>     | <u>_</u>       | _        |
|              | 97       | ــــ   | _        | $oxed{\bot}$                                     | L             | ┞-   | 1_       | 1_           | <del> </del> _ | Ш        |
| <u> </u>     | 98       | <b> </b>   | <u></u>  | 1  | 1             | ↓_   | 4_       | ╄            | ↓_             | _        |
| <u></u>      | 99       | 1  | <u> </u> | ↓_   | <del> -</del> | ╄-   | ╀        | <b> </b>     | 1-             | ļ        |

|       |            | ٠            | *****    |              |                |  |              |          |          |  |   |
|-------|------------|--------------|----------|--------------|----------------|--|--------------|----------|----------|--|---|
| Cla   | aim        | Date         |          |              |                |  |              |          |          |  |   |
| Final | Original   |              |          |              |                |  |              |          |          |  | , |
|       | 101        | $\vdash$     |          |              | Н              | $\neg$   | -1           | ᅱ        |          | -  |   |
|       | 102        |              |          |              |                |  | $\neg$       |          |          |  |   |
|       | 103        |              |          |              |                |  |              |          |          |  |   |
|       | 104        |              |          |              |                |  |              |          |          |  |   |
|       | 105        |              |          |              |                |  |              | _        |          |  |   |
|       | 106        | Ш            |          |              |                | _  | _            | _        |          |  |   |
|       | 107        | $\vdash$     |          | $\vdash$     | Н              | _  | _            | -        |          | _  |   |
|       | 108<br>109 | $\vdash$     |          | ⊢            |                | Н  | $\dashv$     | $\dashv$ | -        | Ш  |   |
|       | 110        | -            | _        | ├            | -              |  | -            |          |          |  |   |
|       | 111        | H            |          | -            | -              |  |              | -        |          | _  |   |
|       | 112        | $\vdash$     |          | -            | ╁              | _  |              |          |          | -  |   |
|       | 113        | Н            | _        | -            | ├─             | -  |              |          | _        | _  | 1 |
|       | 114        |              |          | _            |                |  |              |          |          | _  | 1 |
|       | 115        |              |          | _            |                |  |              |          |          |  | 1 |
|       | 116        |              |          |              |                |  |              |          |          |  | ] |
|       | 117        |              |          |              |                |  |              |          |          |  | ] |
|       | 118        |              |          |              |                | 匚  |              |          | L        |  | Ţ |
|       | 119        | <u> </u>     |          | _            | <u> </u>       | <u> </u>   |              |          | _        | _  | l |
|       | 120        | Щ            |          | <u> </u>     | <del> </del> _ | <u> </u>   |              | _        | <u> </u> | <u> </u>   | Į |
|       | 121        | <b>├</b>     | <u> </u> | ↓_           | ↓_             | ┡  |              | _        | <u> </u> | -  | ł |
|       | 122        | ⊣            | _        | ├-           | ┢              | ⊢  | <del> </del> | <u> </u> | -        | ⊢  | 1 |
|       | 123<br>124 | ╁            | _        | ╌            | ⊢              | ├  | $\vdash$     | -        |          | ├  | ł |
|       | 125        | ╁╌           | _        | $\vdash$     | ╀              | ⊢  | -            | -        | -        | ┢  | 1 |
|       | 126        | ╁            | -        | ┢            | -              | -  | $\vdash$     |          | -        | ┢  | 1 |
|       | 127        | <del> </del> | -        | 1            | 1              | -  | <u> </u>     |          | -        | <del>                                     </del> | 1 |
|       | 128        | $\vdash$     |          |              | 1              | $\vdash$   |              |          | _        | <b>—</b>   | 1 |
|       | 129        | П            |          |              |                |  |              |          |          |  | 1 |
| 9     | 130        |              |          |              |                |  |              |          |          |  | ] |
|       | 131        |              |          | L            |                |  |              |          |          | <u></u>  |   |
|       | 132        | 1            | L        | <u> </u>     | <u> </u>       | _  |              | L_       | ļ        | <u> </u>   | 1 |
|       | 133        | 1            | Щ        | Ļ            | <u> </u>       | <b> </b>   |              | <u> </u> | ļ        | ļ  | l |
|       | 134        | +            | ┡-       | <del> </del> | ├-             | ├  | -            | -        | -        | ├  | ł |
|       | 135<br>136 | -            | -        | ├            | ├-             | ┢  | -            | -        | -        | -  | ł |
|       | 137        | <del> </del> | -        | ╀            | $\vdash$       | $\vdash$   | -            |          | -        | ├-   | 1 |
|       | 138        | 1-           | $\vdash$ | <del> </del> | 1              | -  |              | -        |          | $\vdash$   | 1 |
|       | 139        | 1            | Г        | Т            | Τ              |  |              |          |          |  | 1 |
| •     | 140        |              |          |              |                |  |              |          |          |  | ] |
|       | 141        |              |          |              |                |  |              |          |          |  | ] |
|       | 142        | L            | _        | _            | _              | _  |              | L        | <u> </u> |  | 1 |
|       | 143        | ↓_           | <u> </u> | <u> </u>     | <del> </del>   | _  | <b> </b>     | <u> </u> | _        | <del> </del>                                     | 1 |
|       | 144        |              | _        | $\vdash$     | ╀-             | <del> </del>                                     | <del> </del> | <u> </u> | Ŀ        | ⊢  | 1 |
|       | 145        | ╁            | -        | +            | ┼              | ├-   | -            | ├-       | $\vdash$ | ├-   | 1 |
|       | 146<br>147 | +-           | -        | ╁            | ┼              | ┼  | -            | -        | -        | -  | 1 |
|       | 148        | +-           | -        | ╁            | +              | ╁  | -            | -        | ╁        | +  | 1 |
|       | 149        | ╁            | -        | 1            | †~             | <del>                                     </del> | 1-           | $\vdash$ | $\vdash$ | $\vdash$   | 1 |
|       | 150        | 1-           |          | 1            | T              |  | 1            | Ι-       | 1        | 1  | 1 |
|       |            |              |          |              |                |  | -            |          | •        |  | - |